

What is claimed is:

1. A video encoding method comprising the steps of:

a) selecting an encoding method for each frame of
5 incoming images, and dividing the images into blocks of a
certain size;

b) carrying out either an intra coded block encoding or
an inter coded block encoding depending on whether an encoding
of a current frame and an inter coded encoding are needed or
10 not, and whether an intra coded block is relevant or not, and
sorting out blocks requiring an intra updating by utilizing a
bit stream size information for each block if the inter coded
encoding is needed; and

c) repeatedly carrying out the step a) and the step b) to
15 a last frame.

2. The video encoding method as recited in claim 1,
wherein the step b) includes the steps of:

b1) judging as to a current frame encoding method, so as
20 to carry out an intra coded block encoding if the method
judged is an intra encoding method, and so as to carry out an
inter coded block encoding if the method judged is an inter
encoding method;

b2) carrying out the intra coded block encoding if the
25 inter coded block encoding is found to be not needed at the
step b1), and judging as to whether a block is to be
subjected to an intra updating if the inter coded block

encoding is found to be needed; and

b3) carrying out an intra coded block encoding if it is found to be a block to be intra-updated at the step b2), carrying out an inter coded block encoding if it is found to be not a block to be intra-updated, and making a judgment as to whether a current block is a last block, so as to return to the step b1) if it is not a last block, and so as to calculate a threshold value if it is a last block.

10 3. The video encoding method as recited in claim 2, wherein at the step b3), if a relevant frame is an inter coded frame, a threshold value of a next frame is decided based on the number of bits formed in a block, or is decided to be the number of bits provided by a user in advance; and

15 if the relevant frame is an intra coded frame, then a current threshold value is taken as it is.

20 4. The video encoding method as recited in claim 3, wherein the threshold value decided based on the number of bits formed in the block is the number of bits of a block having the maximum number of bits among blocks not subjected to an intra updating.

25 5. The video encoding method as recited in claim 2, wherein the procedure of deciding an intra-updating block at the step b2) includes the steps of:

b2a) updating the accumulated number of bits if the

number of bits of a same-positioned block of a preceding frame is smaller than the threshold value, or if the same-positioned block of the preceding frame is an intra coded block;

5 b2b) comparing the number of intra-updating blocks with a designated number if the updated accumulated number of bits of the step b2a) is larger than the threshold value, and if the same-positioned block of the preceding frame is not an intra coded block; and

10 b2c) deciding to be intra-updating blocks and turning the accumulated number of bits to an initial menu if the number of the intra-updating blocks of the current frame is found to be not larger than the designated number at the step b2b).

15 6. The video encoding method as recited in claim 2, wherein the procedure of deciding the intra-updating block at the step b2) includes the steps of:

20 b2d) deciding to be intra-updating blocks and turning the accumulated number of bits to the initial menu if the number of bits of the same-positioned block of the preceding frame is larger than the threshold value, or if the updated accumulated number of bits is larger than the threshold value.

25 7. The video encoding method as recited in claim 5, wherein the accumulated threshold value of the step b2b) is the number of bits defined by a user, or is decided by a calculation based an encoding information.

8. A computer-readable record media storing instructions for performing a video encoding method in a video encoding system with a large processor, the video encoding method
5 comprising the steps of:

a) selecting an encoding method for each frame of incoming images, and dividing the images into blocks of a certain size;

b) carrying out either an intra coded block encoding or
10 an inter coded block encoding depending on whether an encoding of a current frame and an inter coded encoding are needed or not, and whether an intra coded block is relevant or not, and sorting out blocks requiring an intra updating by utilizing a bit stream size information for each block if the inter coded
15 encoding is needed; and

c) repeatedly carrying out the step a) and the step b) to a last frame.